REMARKS

Applicant is submitting another Information Disclosure Statement because a web site was found and Applicant believes that page 4 is relevant because it has a backwards release feature. It mentions Cubco and Miller bindings.

Applicant has accepted the allowable claims from the last Office Action and added new claims 21-29 to include a toe binding version of the allowable claims, as shown in Fig. 14. Claims 26, 27 describe a reverse release bias system as exemplified in Fig. 13. All the rejected claims have been amended to a gas actuated version.

A Continuation-in-Part application is being filed to address the canceled claims with both further argument and new matter. Applicant respectfully requests a Notice of Allowance.

Respectfully Submitted,

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MARKED UP CLAIMS

1. (Amended) A ski binding release system comprising:

a track for receiving a ski binding member;

a remote transmitter;

a receiver mountable on a ski with an actuator connected to the track;

wherein the remote transmitter activates the receiver which in turn activates the actuator to move the track, thereby moving the ski binding member;

wherein the track further comprises a flat rigid member having a forward and a rear anchor for attachment to a ski;

wherein the flat rigid member slides in the anchors;

wherein the flat rigid member is controlled by the actuator; and

wherein the actuator further comprises a ~~spring mechanism having a housing containing a main spring~~gas chamber powering a rod connected to the track and a receiver to receive the remote signal and release the actuator from a ski position to a release position.

2. (No Change) An improvement to a ski binding release system, said ski binding release system having a toe piece and a heel piece to hold a boot, the improvement comprising:

a track connected to the heel piece;

an actuator connected to the track which increases a mounting distance between the toe piece and the heel piece on demand from a remote signal;

wherein the actuator further comprises a compressed gas cylinder having a piston connected to the track; and

wherein the compressed gas cylinder further comprises a plug which is connected to a linkage, wherein a receiver receives the remote signal and powers the linkage to unplug from the compressed gas cylinder, thereby

allowing a spring to move the actuator from a ski position to a release position.

3. (Amended) A ski binding release system comprising:

a toe and a heel piece;

a mechanism having ~~an~~a gas actuator to enlarge a mounting distance between the toe and the heel piece on demand from a remote signal;

said mechanism having a ~~single~~ housing which contains a connector to a track and having a ~~spring~~ gas chamber which releaseably biases the track against a binding member, and having a receiver to receive a remote signal to release ~~the springa~~ gas pressure from the gas chamber; and

said track suited to receive either the toe or the heel piece.

4. (Amended) A ski binding release system comprising:

a toe and a heel piece designed to have a mounting distance therebetween to secure a ski boot;

an extension mechanism to release the ski boot by enlarging the mounting distance on demand from a remote signal;

said extension mechanism having a ~~single~~ housing to contain a ~~spring~~gas chamber, a connector to a track which is biased by the ~~spring~~gas chamber, and a receiver which controls a release of ~~the springa~~ gas pressure from the gas chamber; and

wherein the track further comprises a flat rigid member having a forward and a rear anchor for attachment to a ski, wherein the flat rigid member slides in the anchors controlled by the actuator.

5. (Amended) An improvement to a ski binding release system, said ski binding release system having a toe piece and a heel piece to hold a boot, the improvement comprising:

a track connected to the toe piece;

an actuator connected to the track which increases a mounting distance between the toe piece and the heel piece on demand from a remote signal;

wherein the actuator further comprises a ~~single~~ housing containing a ~~spring~~ gas loaded piston having a ski position with the ~~spring~~ gas compressed, and a release position with the ~~spring~~ gas released, said piston having a ~~locking groove, a locking pin removably engagable in the locking groove, and a~~ receiver to receive ~~the~~ a remote signal and ~~power an electronic device to disengage the locking pin~~, release the gas, thereby releasing the ski boot by causing the toe piece to move to a larger distance from the heel piece.

6. (Canceled by prior Amendment)

7. (Canceled by prior Amendment)

8. (Cancel) ~~The improvement of claim 3, wherein the housing further comprises a sliding shaft having a groove, a locking pin pivotally engaged in the groove and an electronically activated trigger to release the locking pin when the receiver powers a solenoid to move the trigger.~~

9. (Amended) The ~~improvement~~apparatus of claim ~~8~~3 further comprising a transmitter contained in a ski pole to activate the receiver.

10. (Amended) The ~~improvement~~ apparatus of claim 9, wherein the transmitter further comprises a safety switch to prevent an accidental transmission.

11. (Amended) The ~~improvement~~apparatus of claim 3 further comprising a mounting plate to house the toe piece, the track, the heel piece and the actuator, said mounting plate having a hole for mounting to a ski.

12. (Canceled by prior Amendment)

13. (Canceled by prior Amendment)

14. (No Change) The improvement of claim 2, wherein the plug blocks an outlet tube which emits a loud noise upon release of the plug.

15. (No Change) The improvement of claim 2, wherein a gas in the compressed gas cylinder further comprises a color to assist locating a lost ski in powder upon the release of the compressed gas.

16. (No Change) The improvement of claim 2 further comprising a CO_2 cartridge connected to the compressed gas cylinder to provide a source of compressed gas.

17. (No change) The improvement of claim 16 further comprising a CO_2 cartridge housing and puncture mechanism to charge the compressed gas cylinder.

18. (Canceled by prior Amendment)

19. (Canceled by prior Amendment)

20. (Cancel) ~~The system of claim 5 further comprising a wedge to receive a lever which can cock the spring loaded piston to the ski position.~~

21. (New) An improvement to a ski binding release system, said ski binding release system having a toe piece and a heel piece to hold a boot, the improvement comprising:

a track connected to the toe piece;

an actuator connected to the track which increases a mounting distance between the toe piece and the heel piece on demand from a remote signal;

wherein the actuator further comprises a compressed gas cylinder having a piston connected to the track; and

wherein the compressed gas cylinder further comprises a plug which is connected to a linkage, wherein a receiver receives the remote signal and powers the linkage to unplug from the compressed gas cylinder, thereby allowing a spring to move the actuator from a ski position to a release position.

22. (New) The improvement of claim 21, wherein the plug blocks an outlet tube which emits a loud noise upon release of the plug.

23. (New) The improvement of claim 21, wherein a gas in the compressed gas cylinder further comprises a color to assist locating a lost ski in powder upon the release of the compressed gas.

24. (New) The improvement of claim 21 further comprising a CO_2 cartridge connected to the compressed gas cylinder to provide a source of compressed gas.

25. (New) The improvement of claim 24 further comprising a CO_2 cartridge housing and puncture mechanism to charge the compressed gas cylinder.

26. (New) A ski binding release system comprising:

a toe and a heel piece;

a mechanism having an actuator to enlarge a mounting distance between the toe and the heel piece on demand from a remote signal; and

said mechanism having a piston which is spring biased to maintain the mounting distance in a ski position and a gas source to bias the piston

to a release position when a ski mounted receiver receives a remote signal.

27. (New) The apparatus of claim 26 further comprising a track suited to receive either the toe or the heel piece, said track connected to the mechanism.

28. (New) A ski binding release system comprising:

a toe and a heel piece;

a mechanism having an actuator to enlarge a mounting distance between the toe and the heel piece on demand from a remote signal; and

said mechanism having a piston which is gas biased to maintain the mounting distance in a ski position and spring biased to a release position when a ski mounted receiver receives a remote signal.

29. (New) The apparatus of claim 28 further comprising a track suited to receive either the toe or the heel piece, said track connected to the mechanism.